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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/018,031	12/14/2001	Ryoichi Takahira	56937-042	5610

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WASHINGTON, DC 20005-3096

EXAMINER
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VENT, JAMIE J

ART UNIT	PAPER NUMBER
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2621

MAIL DATE	DELIVERY MODE
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02/25/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

Application No.	Applicant(s)	
10/018,031	TAKAHIRA, RYOICHI	
Examiner	Art Unit	
Jamie Vent	2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 27 November 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1, 3 and 5-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 3 and 5-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                    | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date _____                                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)         | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION*****Response to Arguments***

Applicant's arguments filed November 27, 2007 have been fully considered but they are not persuasive. On pages 6-8 applicant argues that Takahashi in view of Takada fails to disclose, teach, or suggest the following limitation, " wherein said recording means sets a rotational speed of said head cylinder so that each signal section may be subdivided into such a number of deletion tracks that is obtained by dividing said predetermined number of tracks for each signal section by an integer smaller than said number of track" as recited in Claim 1. It is noted Takahashi discloses a system wherein through a method of effective recording improves recording density through dividing the video signal by a factor of N and thereby improve recording through the arrangement of the head cylinder (Column 1 Lines 30-40). Furthermore, it is stated the use of enabling the rotary drum to change the rotational speed through the further dividing the signal (Column 1 Lines 45-60). Although, all of applicants points are understood the examiner can not agree and therefore the rejection is maintained.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 3, 5-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Takahashi et al (US 5,581,363) in further view of Takada et al (US 5,715,104).

**[claim 1]**

In regard to Claim 1, Takahashi et al discloses a magnetic recorder/reproducer comprising:

- recording means for rotating a head cylinder at a rotational speed lower than such a rotational speed of said head cylinder that corresponds to said timing (Column 4 Lines 15+ describes the speed lower of the recording and reproducing timing);
- wherein said recording means sets a rotational speed of said head cylinder so that each signal section may be subdivided into such a number of deletion tracks that is obtained by dividing said predetermined number of tracks for each signal section by an integer smaller than said number of track (Column 1 Lines 30-40 describes the dividing of the signal by an integer to result in the rotational speed of the recording means) however fails to disclose
- input signal converting means for modulating an input signal at a timing which corresponds to a predetermined number of tracks for each signal section to thereby convert said input signal into a recording signal;

Takada et al teaches the use of a modulator as seen in Figure 46 element 153. The modulator allows for the encoding of the recording video data so as to be optimum data suitable for recording and reproducing. Furthermore, allows the track to coordinate to a predetermined track number as described in Column 6 Lines 55+. Therefore, it would

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have been obvious to one of ordinary skill in the art at the time of the invention to use the system of a magnetic recorder, as disclosed by Takahashi et al, and further incorporate a system that allows for the modulation of the input signal, as described by Takada et al, to allow for effective processing of the recorded signal.

**[claim 3]**

In regard to Claim 3, Takahashi et al discloses a magnetic recorder/reproducer wherein said recording means adjusts a transporting speed of said recording tape during recording corresponding to a set rotational speed of said head cylinder (Column 2 Lines 24-63 describes the adjustment of transport speed and corresponding to the rotational speed of the head cylinder).

**[claim 5]**

In regard to Claim 5, Takahashi et al discloses a magnetic recorder/reproducer further comprising:

- first memory means; first write control means for writing said recording signal into said first memory means at a write timing which corresponds to said predetermined number of tracks for each signal section (Figure 5 shows the memory for the system that allows the writing of tracks and information to the system); and
- first read control means for reading said recording signal stored in said first memory means at a timing that corresponds to said number of deletion tracks and then supplying said number to said recording means

(Column 2 Lines 45+ describes the read control means for the timing of the deletion of information).

**[claim 6]**

In regard to Claim 6, Takahashi et al discloses a magnetic recorder/reproducer wherein said first write control means finely adjusts said write and read timing (Column 2 Lines 30+ describes the controlling and adjusting of the timing of the recorder).

**[claim 7]**

In regard to Claim 7, the claim limitations have been addressed in Claim 6.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jamie Vent whose telephone number is 571-272-7384. The examiner can normally be reached on 7:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JJV



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